

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--------------------------------------|---|------------------|---------|------------------|
| S1 | 2 | "6611099".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/10 18:58 |
| S2 | 3137 | 345/87.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 13:23 |
| S3 | 2 | "6812916".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 10:50 |
| S4 | 2 | "20010008395".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/12 12:23 |
| S5 | 2 | "6803893".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 10:32 |
| S6 | 66461 | transformers or "second transformer" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 10:32 |
| S7 | 143724 | lamps or "second lamp" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 10:32 |
| S8 | 67889 | "345"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 10:33 |
| S9 | 47 | S8 and S6 and S7 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 10:33 |

EAST Search History

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|-----|---------|--------------------|---|----|-----|------------------|
| S10 | 1882543 | voltage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 10:33 |
| S11 | 45 | S9 and S10 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 10:49 |
| S12 | 2 | "6661181".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 14:55 |
| S13 | 0 | "10626758".ap. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 10:50 |
| S14 | 58403 | "voltage divider" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 11:26 |
| S15 | 46 | S2 and S14 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 11:27 |
| S16 | 14426 | "voltage sensor" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 11:27 |
| S17 | 4 | S15 and S16 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 11:32 |
| S18 | 9 | S8 and S14 and S16 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 11:32 |
| S19 | 46 | S2 and S14 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 12:00 |

EAST Search History

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|-----|---------|---|---|----|-----|------------------|
| S20 | 278245 | resistors or "two resistors" or "second resistor" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 12:00 |
| S21 | 54750 | on and off | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 12:00 |
| S22 | 0 | S19 and S20 and S21 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 12:01 |
| S23 | 0 | S19 and S21 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 12:57 |
| S24 | 2115465 | sensor or detector | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 12:57 |
| S25 | 1882543 | voltage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 12:57 |
| S26 | 41305 | S25 near S24 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 12:58 |
| S27 | 23 | S2 and S26 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 12:58 |
| S28 | 2 | "6661181".pn. and drive | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 15:03 |
| S29 | 2 | "5907222".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 15:03 |

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|-----|--------|--|---|----|-----|------------------|
| S30 | 3137 | 345/87.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 15:08 |
| S31 | 143724 | lamps or "second lamp" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 15:08 |
| S32 | 278245 | resistors or "two resistors" or "second resistor" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 15:08 |
| S33 | 6 | S30 and S31 and ground and S32 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 15:10 |
| S34 | 0 | "20040056830".ap. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 15:10 |
| S35 | 2 | "20040056830".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 17:23 |
| S36 | 2 | "6812291".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 17:26 |
| S37 | 3 | "6812921".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/26 17:26 |
| S38 | 6 | "626758".ap. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/10 19:35 |
| S39 | 3323 | 345/87.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/10 19:36 |

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|-----|--------|--|---|----|-----|------------------|
| S40 | 209206 | lcd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/10 19:35 |
| S41 | 66926 | transformers\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/10 19:35 |
| S42 | 17997 | voltage near (sensors\$ or detectors\$3 or measure) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/10 19:37 |
| S43 | 0 | S39 and S40 and S41 and S42 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/10 19:36 |
| S44 | 72613 | "345"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/10 19:36 |
| S45 | 2 | S44 and S40 and S41 and S42 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/10 19:37 |
| S46 | 88255 | voltage with (sensors\$ or detectors\$3 or measure) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/10 19:37 |
| S47 | 4 | S44 and S40 and S41 and S46 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/10 19:37 |
| S48 | 1069 | 323/355-359.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 13:23 |
| S49 | 288591 | (dac or (dc with ac) or converters or (digital with analog with converters\$)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 13:44 |

EAST Search History

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|-----|---------|---|---|----|-----|------------------|
| S50 | 68650 | transformers or "second transformer" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 13:44 |
| S51 | 53 | S48 and S49 and S50 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 13:45 |
| S52 | 1956395 | voltage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 13:55 |
| S53 | 52 | S51 and S52 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 13:54 |
| S54 | 8959106 | two or second | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 13:54 |
| S55 | 3147 | (two or second) adj transformers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/12 11:39 |
| S56 | 109 | S55 same S49 same S52 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 13:55 |
| S57 | 318131 | voltage with (sensor or detector or detecting or detects or measures\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 13:56 |
| S58 | 33 | S56 and S57 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 14:15 |
| S59 | 2 | "20010011980".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/11 14:15 |

EAST Search History

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|-----|---------|---|---|----|-----|------------------|
| S60 | 119859 | disconnection\$4 or (loose near connections\$) or (feedback near current) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/12 11:52 |
| S61 | 3147 | (two or second) adj transformers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/12 11:39 |
| S62 | 15 | S61 same S60 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/12 11:53 |
| S63 | 550480 | disconnection\$4 or (loose near connections\$) or (feedback near current) or arc | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/12 11:52 |
| S64 | 41 | S61 same S63 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/12 11:53 |
| S65 | 6 | "626758".ap. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/12 12:25 |
| S66 | 2 | "6661181".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/13 09:21 |
| S67 | 1 | "09481232" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/13 09:21 |
| S68 | 2820198 | "shut down" or off | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:53 |
| S69 | 264402 | voltage near (detector or sensor or measure or reference or detects or detect or detecting or sensing or sense) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:52 |

EAST Search History

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|-----|---------|---|---|----|-----|------------------|
| S70 | 39626 | S68 same S69 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:53 |
| S71 | 30941 | ((ac and dc) or (analog and digital)) near converter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:29 |
| S72 | 30941 | ((((ac and dc) or (analog and digital))) near converter) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:52 |
| S73 | 2550696 | (dac or converter or analog or digital or ac or dc) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:41 |
| S74 | 10887 | S70 same S73 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:41 |
| S75 | 38371 | (dac or (converters\$ near analog near digital) or (ac near dc near converters\$)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:41 |
| S76 | 261 | S70 same S75 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:41 |
| S77 | 112127 | voltage adj (detector or sensor or measure or reference or detects or detect or detecting or sensing or sense) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:53 |
| S78 | 76 | S76 same S77 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:42 |
| S79 | 3335 | ((((ac and dc) or (analog and digital))) near converter).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:52 |

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|-----|---------|--|---|----|-----|------------------|
| S80 | 42364 | (voltage adj (detector or sensor or measure or reference or detects or detect or detecting or sensing or sense)).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:53 |
| S81 | 80 | S79 and S80 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:55 |
| S83 | 1006479 | ("shut down" or off).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:53 |
| S84 | 4 | S81 and S83 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/14 16:54 |
| S86 | 2 | "20010011980".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/13 21:55 |
| S87 | 2 | "6661181".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/13 21:36 |
| S88 | 2 | "6661181".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/13 22:00 |
| S89 | 1584 | 345/102.ccls. or 349/70.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:32 |
| S90 | 97718 | transformers\$ | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:32 |

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|-----|---------|---|---|----|-----|------------------|
| S91 | 2269388 | voltage | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:41 |
| S92 | 12 | S89 and (S90 with S91) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:40 |
| S93 | 5501874 | voltage near\$4 (sensors\$ or detector\$) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:45 |
| S94 | 30 | S89 and S90 and S93 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:44 |
| S95 | 28124 | voltage adj (sensors\$ or detector\$) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:45 |
| S96 | 1 | S89 and (S95 with S90) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:45 |
| S97 | 2 | S89 and (S95 and S90) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:45 |
| S98 | 183 | (S95 with S90) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:45 |

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|----------|----|--------------------------------------|---|----|-----|------------------|
| S99 | 8 | (S95 with S90) and lcd | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:49 |
| S10 0 | 3 | (S95 with S90) and (back near light) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 13:29 |
| S10 1 | 56 | (S95 with S90) and (light) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 12:49 |
| S10 2 | 7 | (S95 and S90) and (back near light) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 13:51 |
| S10 3 | 2 | "7145546".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/03 13:51 |